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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/083,890	02/27/2002	Narayanan Venkitaraman	СМ05034Н	2114	
22917 7	590 12/08/2005		EXAMINER		
MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196			HARPER, KEVIN C		
			ART UNIT	PAPER NUMBER	
			2666		
		DATE MAILED: 12/08/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

		T A 11 15			190			
Office Action Summary		Applicati	on No.	Applicant(s)	N.			
		10/083,8	90	VENKITARAMAN ET AL.				
		Examine		Art Unit				
		Kevin C. I	•	2666				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE N - Extension after S - If the p - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. sions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a rep period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statute toply received by the Office later than three months after the mailing ad patent term adjustment. See 37 CFR 1.704(b).	136(a). In no ev ly within the stat will apply and w e, cause the app	ent, however, may a reply be tim utory minimum of thirty (30) days ill expire SIX (6) MONTHS from lication to become ABANDONE	nely filed s will be considered timely. the mailing date of this communica D (35 U.S.C. & 133).	tion.			
Status								
1) 又	Responsive to communication(s) filed on 15 N	lovember 2	005					
	This action is FINAL . 2b)⊠ This action is non-final.							
3)□	-							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositio	on of Claims							
4)⊠ 4 5)□ 6 6)⊠ 6 7)□ 6	 4) Claim(s) 16,19,20 and 24-37 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 16,19,20 and 24-37 is/are rejected. 							
Application	on Papers							
9)□ T	The specification is objected to by the Examine	er.						
10)□ ד	The drawing(s) filed on is/are: a)☐ acc	cepted or b)	\square objected to by the E	Examiner.				
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)[]	he oath or declaration is objected to by the Ex	xaminer. No	ote the attached Office	Action or form PTO-152.				
Priority u	nder 35 U.S.C. § 119			•				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment(s)							
1) 🔯 Notice	of References Cited (PTO-892)		4) Interview Summary					
3) 🔲 Inform	of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date		Paper No(s)/Mail Da					

Response to Arguments

Applicant's arguments filed November 15, 2005 concerning the Malki reference have been fully considered but they are not persuasive. Applicant argued that Malki does not disclose maintaining a binding update list. However, in Malki (para. 32, lines 18-19), the mobile node inherently has maintained a list of correspondent nodes because a binding update is sent to each correspondent nodes it is communicating with.

Applicant's arguments, with respect to the Markki reference have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Lim.

Response to Amendment

The affidavit filed on November 15, 2005 under 37 CFR 1.131 is sufficient to overcome the Markki reference.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 16, 19, 20 and 24-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lim (US 6,697,355) in view of Malki et al. (US 2001/0046223).

1. Regarding claims 16, 19 and 24-29, Lim discloses in a communication system supporting mobile IP (abstract, lines 1-2), where a mobile node (fig. 3, MHT) connects to a network infrastructure (item 400) via a gateway router (GWR1 or GWR2), a method comprising the

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mobile node attaching to a mobile gateway router (fig. 3, MRT21) associated with a mobile network which is a home network of the mobile node (col. 5, lines 44-47). However, Lim does not disclose the mobile node determining that it is attached to the mobile gateway router, obtaining a care-of-address, sending the care-of-address to the home agent of the mobile node, and maintaining a binding update list of correspondent nodes that the mobile node has been communicating with. Malki discloses a mobile node determining that it is attached to a mobile gateway router (figs. 2-3; para 32, lines 1-5), determining a care-of-address that is the home address of the mobile gateway node (para. 32, lines 6-10), sending the care-of-address to the home agent of the mobile node (para. 32, lines 15-19), and maintaining an inherent binding update list of correspondent nodes that the mobile node has been communicating with (para. 32, lines 18-19). Further regarding claim 19, the mobile node of Malki is a mobile router (note: the mobile node performs Internet routing functions by forwarding IP packets to correspondent nodes -- para. 9, lines 8-10). Regarding claim 28, the binding update is sent in response to a tunneled packet from a correspondent node (fig. 10, steps 1010, 1020, 1040). Regarding claim 29, the mobile node identifies a packet from a correspondent node that did not traverse the home agent (fig. 10, step 1030; para. 50, last four lines). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to self-register the mobility of a mobile node with a home agent in the invention of Lim in order to enhance mobility registration by controlling network messages by the mobile node (Malki, para. 54, last nine lines).

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2. Regarding claim 20, in Lim the mobile node (fig. 3, MHT) is detached from a mobile network (fig. 3, item 302; col. 5, lines 47-50).

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3. Regarding claims 30-37, Lim discloses a mobile router having mobile nodes (fig. 3). However, Lim does not disclose detaching from the mobile gateway router, attaching to a second mobile gateway router and sending binding updates. Malki discloses choosing a new mobility point and sending binding updates (fig. 7, steps 710, 720 and 760) to correspondent nodes of a binding update list (para. 32, lines 18-19). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to self-register the mobility of a mobile node with a home agent in the invention of Lim in order to enhance mobility registration by controlling network messages by the mobile node (Malki, para. 54, last nine lines) and provide for free movement within a communications system (para. 4, lines 1-5).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Harper whose telephone number is 571-272-3166. The examiner can normally be reached weekdays from 11:00 AM to 7:00 PM ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema S. Rao, can be reached at 571-272-3174. The centralized fax number for the Patent Office is 571-273-8300. For non-official communications, the examiner's personal fax number is 571-273-3166 and the examiner's e-mail address is kevin.harper@uspto.gov.

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Kevin C. Harpér

December 6, 2005